Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/19/2018 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126920	1	2.42	126915	2.43
Blue	F	SSC	125000	123305	-2	4.28	123900	4.26
Blue	E	FITC	15492	15079	-3	4.09	352	22.18
Blue	D	PE	28736	27897	-3	3.37	615	16.31
Blue	B	PerCP-Cy5-5	41413	41370	-1	4.90	1129	23.33
Blue	A	PE-Cy7	31321	31322	0	7.23	569	47.07
Red	C	APC	41673	40795	-3	3.14	1573	13.34
Red	A	APC-Cy7	29962	29416	-2	3.03	735	14.14
Violet	B	V450	8318	7899	-6	4.74	435	15.09
Violet	A	V500	34199	33184	-3	4.50	797	11.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20599	4.25	609	-4	N/A	N/A	Pass
Blue	F	SSC	55714	3.75	575	7	N/A	N/A	Pass
Blue	E	FITC	60	74.13	558	-3	0.0157	201	Pass
Blue	D	PE	121	56.74	557	-3	0.1301	268	Pass
Blue	B	PerCP-Cy5-5	206	57.36	665	-2	0.0072	61	Pass
Blue	A	PE-Cy7	108	121.49	720	-2	0.0094	32	Pass
Red	C	APC	358	28.05	601	0	0.0192	85	Pass
Red	A	APC-Cy7	181	31.63	577	1	0.0045	945	Pass
Violet	B	V450	65	72.87	475	-2	0.0426	2497	Pass
Violet	A	V500	112	40.70	493	-1	0.0194	1203	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/19/2018 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.57	-32.29	1.11
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.51
Red	16.53	13.60 - 20.40	N/A	N/A	29.55	29.90	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10658

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments